Amendments to the Abstract

Replace the Abstract with the following:

~~The present invention provides an ultra-lightweight and highly precise~~ This electromagnetic wave concentrator having [[a]] high rigidity and ~~also~~ flexibility~~, which~~ is suitable ~~as a solar ray concentrate device and~~ for communications~~, this concentrator being~~ and is produced by [[a]] molding ~~process~~ using ~~the effect of~~ stress relaxation in [[a]] thin-film material. An ultra-lightweight electromagnetic wave concentrator ~~10 having a high rigidity and also flexibility~~ is obtained by ~~conducting processing that increases~~ increasing the rigidity by forming a thin-film curved body ~~comprising~~ of an electromagnetic wave reflective surface ~~11 that has the surface shape that is part of~~ having a paraboloid shape. ~~of revolution or of a curved surface modeling same by the effect of stress relaxation in a thin-film material, and also forming a structure of reinforcing~~ Reinforcing grooves ~~13-15~~ in the reflective surface ~~11 for increasing the rigidity~~ increase rigidity. ~~In order to~~ To form the reflective surface shape and the reinforcing grooves ~~13-15~~, [[a]] pressure is applied to the thin-film material with [[the]] a molding die, or the thin-film ~~materials~~ material is attached to the molding die by pressure [[and,]] while ~~maintaining this state, stress relaxation inside the thin-film material is induced by~~ heating the thin-film material with a heating device, such as a thermostatic chamber.